

| <b>FORM PTO-1449 (SUBSTITUTE)</b><br>U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE<br><br><b>INFORMATION DISCLOSURE<br/>         STATEMENT BY APPLICANT</b><br>(37 CFR 1.98(b))  |   |   |          | Attorney Docket No.: W&B-INF-1831<br>Appl. No.:<br><br>Applicant: JENÖ TIHANYI<br><br>Filing Date: July 14, 2003<br>Group Art Unit: |       |           |                  |                   |  |   |      |          |       |           |                  |    |   |              |          |                     |  |  |  |    |   |           |        |             |  |  |  |    |   |           |         |                  |  |  |  |    |   |                 |         |                |  |  |  |    |   |                 |         |       |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |
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| <table border="1"> <thead> <tr> <th>EXAMINER INITIALS</th> <th></th> <th>PATENT NO.</th> <th>DATE</th> <th>PATENTEE</th> <th>CLASS</th> <th>SUB CLASS</th> <th>FILING DATE</th> </tr> </thead> <tbody> <tr> <td>DN</td> <td>A</td> <td>5,970,336</td> <td>10/19/99</td> <td>Wolstenholme et al.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DN</td> <td>B</td> <td>5,714,795</td> <td>2/3/98</td> <td>Ohmi et al.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DN</td> <td>C</td> <td>5,912,839</td> <td>6/15/99</td> <td>Ovshinsky et al.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DN</td> <td>D</td> <td>2002/0033519 A1</td> <td>3/21/02</td> <td>Babcock et al.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DN</td> <td>E</td> <td>2002/0060338 A1</td> <td>5/23/02</td> <td>Zhang</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>F</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>G</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>H</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>I</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> |   |   |          |   |       |           |                  | EXAMINER INITIALS |  | PATENT NO.  | DATE | PATENTEE | CLASS | SUB CLASS | FILING DATE      | DN | A | 5,970,336    | 10/19/99 | Wolstenholme et al. |  |  |  | DN | B | 5,714,795 | 2/3/98 | Ohmi et al. |  |  |  | DN | C | 5,912,839 | 6/15/99 | Ovshinsky et al. |  |  |  | DN | D | 2002/0033519 A1 | 3/21/02 | Babcock et al. |  |  |  | DN | E | 2002/0060338 A1 | 5/23/02 | Zhang |  |  |  |  | F |  |  |  |  |  |  |  | G |  |  |  |  |  |  |  | H |  |  |  |  |  |  |  | I |  |  |  |  |  |  |
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|   | F |   |          |   |       |           |                  |                   |  |   |      |          |       |           |                  |    |   |              |          |                     |  |  |  |    |   |           |        |             |  |  |  |    |   |           |         |                  |  |  |  |    |   |                 |         |                |  |  |  |    |   |                 |         |       |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |
|   | G |   |          |   |       |           |                  |                   |  |   |      |          |       |           |                  |    |   |              |          |                     |  |  |  |    |   |           |        |             |  |  |  |    |   |           |         |                  |  |  |  |    |   |                 |         |                |  |  |  |    |   |                 |         |       |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |
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| <b>FOREIGN PATENT DOCUMENT</b>  |   |   |          |   |       |           |                  |                   |  |   |      |          |       |           |                  |    |   |              |          |                     |  |  |  |    |   |           |        |             |  |  |  |    |   |           |         |                  |  |  |  |    |   |                 |         |                |  |  |  |    |   |                 |         |       |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |
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|   | K |   |          |   |       |           |                  |                   |  |   |      |          |       |           |                  |    |   |              |          |                     |  |  |  |    |   |           |        |             |  |  |  |    |   |           |         |                  |  |  |  |    |   |                 |         |                |  |  |  |    |   |                 |         |       |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |
|   | L |   |          |   |       |           |                  |                   |  |   |      |          |       |           |                  |    |   |              |          |                     |  |  |  |    |   |           |        |             |  |  |  |    |   |           |         |                  |  |  |  |    |   |                 |         |                |  |  |  |    |   |                 |         |       |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |
|   | M |   |          |   |       |           |                  |                   |  |   |      |          |       |           |                  |    |   |              |          |                     |  |  |  |    |   |           |        |             |  |  |  |    |   |           |         |                  |  |  |  |    |   |                 |         |                |  |  |  |    |   |                 |         |       |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |
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| <b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>   |   |   |          |   |       |           |                  |                   |  |   |      |          |       |           |                  |    |   |              |          |                     |  |  |  |    |   |           |        |             |  |  |  |    |   |           |         |                  |  |  |  |    |   |                 |         |                |  |  |  |    |   |                 |         |       |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |
| <table border="1"> <tr> <td>DN</td> <td></td> <td colspan="6">Geppert, L.: "Reborn Memory May Put Flash in Shade", Spectrum: Virtual War, IEEE, March 2002, pp. 20-21</td> </tr> <tr> <td></td> <td></td> <td colspan="6"></td> </tr> </table>  |   |   |          |   |       |           |                  | DN                |  | Geppert, L.: "Reborn Memory May Put Flash in Shade", Spectrum: Virtual War, IEEE, March 2002, pp. 20-21 |      |          |       |           |                  |    |   |              |          |                     |  |  |  |    |   |           |        |             |  |  |  |    |   |           |         |                  |  |  |  |    |   |                 |         |                |  |  |  |    |   |                 |         |       |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |
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| <b>EXAMINER</b> <i>[Signature]</i>  |   |   |          | <b>DATE CONSIDERED</b> <i>9/8/04</i>  |       |           |                  |                   |  |   |      |          |       |           |                  |    |   |              |          |                     |  |  |  |    |   |           |        |             |  |  |  |    |   |           |         |                  |  |  |  |    |   |                 |         |                |  |  |  |    |   |                 |         |       |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |
| <b>EXAMINER:</b> Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  |   |   |          |   |       |           |                  |                   |  |   |      |          |       |           |                  |    |   |              |          |                     |  |  |  |    |   |           |        |             |  |  |  |    |   |           |         |                  |  |  |  |    |   |                 |         |                |  |  |  |    |   |                 |         |       |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |  |  |  |